

SIEMENS

SIREMOBIL

SP

Maintenance Instructions

SIREMOBIL

CODONICS Printer

The protocol SPR2-130.832.02.02.02 is required for these instructions

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1 General information

1.1 Required documents

- User manual, Codonics Printer / Framegrabber
- System folder of the basic system, SIREMOBIL Compact or SIREMOBIL Iso-C
- Installation Instructions, SIREMOBIL Compact - Codonics Printer EP 1660

1.2 Required measurement devices

Densitometer X-RITE 331	97 02 416 Y1996
Bender Unimet 1000 or Bender Safety Tester or Protective conductor meter	51 38 727 Y0766 99 00 440 RE999 44 15 899 RV090

1.3 Required tools

- Toolkit
- 1 set Allen keys
- 1 set torque wrenches

1.4 Safety information and protective measures

NOTE

- Before performing work or tests, please refer to the following safety guidelines:
 - the product-specific safety informations in this document,
 - the general safety notes in TD00-000.860.01... ,
 - and the general safety issues in ARTD, part 2.
- Disconnect the line voltage cable when working on the **SIREMOBIL Compact** or **SIREMOBIL Iso-C**.
- When working with high voltage, observe the general safety regulations.
- Observe the ESD guidelines (ARTD, part 1).
- Perform the protective conductor test according to ARTD-002.731.17.... after reinstalling all covers and completing all service work. The protective conductor resistance must not exceed 0.2 ohms.

1.5 Maintenance interval

12 Months

2 General impression of system and vicinity

2.1 Maintenance, operating values and functional inspection

These maintenance instructions for SIREMOBIL Compact and SIREMOBIL Iso-C describe the required maintenance work for the Codonics Printer EP 1660L with Framegrabber SA500.

2.1.1 Preventive maintenance

PM Cleaning the thermal print head and the mechanics for film transport

NOTE

According to the EP1660 user manual, it is the responsibility of the customer to clean the thermal print head and the mechanics for film transport. The interval between cleanings is also specified in the user manual. Refer to the maintenance chapter for the Codonics printer. The annual cleaning of the printer described here is not a substitute for regular maintenance by the customer. In the event that malfunctions occur or image quality worsens due to insufficient cleaning, please refer the customer to the maintenance activities/interval described in the Cordonics user manual.

 **WARNING**

Danger of burns! Allow the thermal print head to cool off before cleaning!

⇒

- Clean the printer as described in the maintenance chapter of the Cordonics user manual. Use the customer's cleaning pads (some cleaning pads are included in the delivery volume of the printer).

PM Cleaning the cooling system

- Clean the cooling fan and screen on both the printer and Framegrabber.

2.2 Functional inspection

PMF Manual control panel

- Check the function of the manual control panel.
- Inspect the cable of the manual control panel for damage and breaks.

2.3 Safety inspection

2.3.1 Mechanical safety

SIM Mounting

- Inspect the screws used to fasten the guide rail to the mounting bracket of the Framegrabber.
- Ensure that the printer is properly fastened to the guide rail. Make sure there are no missing attachment screws.
- Ensure that the Framegrabber is properly fastened to the mounting bracket. Make sure there are no missing attachment screws.

SIM Guide rails

- Inspect the guide rails for proper function and smooth operation.
- The guide rails must not be damaged.
- The guide rails must lock properly into place when fully pushed into position.
- If necessary, use a cleaning brush to remove dirt from the rails.

2.4 Electrical safety

SIE Broken cable

- Inspect all connection lines between the printer and the Framegrabber for damage and breaks. Inspect the cable routing of the energy chain for damage and proper functionality (ensure that none of the cables are pinched).

SIE Protective conductor measurement

NOTE

The protective conductor measurement is part of the safety inspection. However it can not be performed until all maintenance works has been completed. See "Final results/Quality inspection and maintenance."

- Measure the protective conductor resistance according to ARTD-002.731.17. The protective conductor resistance must not exceed 0.2 ohms.

2.5 Final results / quality inspection and maintenance

- Reinstall all covers.
- Make sure that the protective conductors are all connected.

SIE Protective conductor measurement

- Measure the protective conductor resistance according to ARTD-002.731.17. The protective conductor resistance must not exceed 0.2 ohms.

QIQ Functional check

- Inspect the image quality according to the chapter "Testing the image quality" in the installation instructions SPR2-130.814.01....

3 Changes to previous version

New template has been used (DMS).